

AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior versions of the claims.

LISTING OF CLAIMS:

1-145. (canceled)

146. (new) A live-born clone of a pre-existing, non-embryonic, non-foetal, donor mammal from which a differentiated cell has been taken,

wherein the mammal is selected from cattle, sheep, pigs, goats, mice, rabbits, horses, and rats,

wherein the clone is produced by a process comprising:

(a) transferring the nucleus of a somatic cell of the non-embryonic, non-foetal, mammal or a cell obtained by culture thereof into a suitable enucleated recipient cell from the same species,

wherein the somatic cell or cell obtained by culture thereof is a quiescent diploid cell at the time of transfer;

(b) activating the recipient cell before, during, or after nuclear transfer;

(c) incubating the reconstituted cell such that an embryo develops;

(d) transferring the embryo to a female of the same species; and

(e) developing the embryo into the live-born clone.

147. (new) The clone of claim 146, wherein the mammal is a cattle.

148. (new) The clone of claim 146, wherein mammal is a sheep.

149. (new) The clone of claim 146, wherein the mammal is a pig.

150. (new) The clone of claim 146, wherein the mammal is a goat.

151. (new) The clone of claim 146, wherein the mammal is a mouse.

152. (new) The clone of claim 146, wherein the mammal is a rabbit.
153. (new) The clone of claim 146, wherein the mammal is a horse.
154. (new) The clone of claim 146, wherein the mammal is a rat.
155. (new) A live-born clone of a pre-existing, non-embryonic, non-foetal, donor mammal, wherein the mammal is selected from cattle, sheep, pigs, goats, mice, and rabbits, horses, and rats.
156. (new) The clone of claim 155, wherein the mammal is a cattle.
157. (new) The clone of claim 155, wherein mammal is a sheep.
158. (new) The clone of claim 155, wherein the mammal is a pig.
159. (new) The clone of claim 155, wherein the mammal is a goat.
160. (new) The clone of claim 155, wherein the mammal is a mouse.
161. (new) The clone of claim 155, wherein the mammal is a rabbit.
162. (new) The clone of claim 155, wherein the mammal is a horse.
163. (new) The clone of claim 155, wherein the mammal is a rat.